

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method of producing a fluoropolymer by which a melt-processable fluoropolymer (A) having a specific unstable terminal group or groups (P) is subjected to melt-kneading in a kneader comprising a stabilization treatment zone to thereby produce a fluoropolymer (B) resulting from conversion of said specific unstable terminal group or groups (P) to $\text{-CF}_2\text{H}$,

said specific unstable terminal group or groups (P) comprising alkoxycarbonyl groups and/or, fluoroalkoxycarbonyl groups ~~and/or carboxyl group quaternary nitrogen compound salts,~~

the melt-kneading being carried out in the absence or presence of an alkali metal element or alkaline earth metal element,

the content of said alkali metal element or alkaline earth metal element being not greater than 2 ppm of the composition under melt-kneading, and

the melt-kneading in said stabilization treatment zone being carried out in the presence of water.

2. (original): The method of producing a fluoropolymer according to Claim 1, wherein the melt-kneading in the stabilization treatment zone is carried out in the presence of oxygen gas.

3. (previously presented): The method of producing a fluoropolymer according to Claim 1, wherein the kneader is a screw-type extruder.

4. (original): The method of producing a fluoropolymer according to Claim 3, wherein the screw-type extruder is a twin-screw extruder.

5. (previously presented): The method of producing a fluoropolymer according to Claim 1, wherein the temperature in the stabilization treatment zone is set at 280 to 430°C.

6. (canceled).

7. (currently amended): A fluoro-polymerised material comprising a fluoropolymer, wherein said fluoropolymer comprises (1) a fluorocopolymer derived from at least one fluoromonomer selected from the group consisting of tetrafluoroethylene, hexafluoropropylene, vinylidene fluoride and chlorotrifluoroethylene, (2) a chlorotrifluoroethylene homopolymer and/or (3) a vinylidene fluoride homopolymer,

said fluorocopolymer is one resulting from polymerization of a perfluoro(alkyl vinyl ether) and/or ethylene or one not resulting from such polymerization,

said fluoropolymer is one of which polymer terminal groups are -CF₂H and not more than 20 unstable terminal groups (Q) per 10⁶ carbon atoms, and

said fluoro-polymerised material does not substantially contain a metal residue containing an alkali metal element and/or alkaline earth metal element, ~~and~~

said fluoro-polymerised material has a volatile matter index of not higher than 15, and

said fluoro-polymerised material has a yellow index of not higher than 2.

8. (original): The fluoro-polymerised material according to Claim 7, wherein the fluoropolymer is a product obtained by emulsion polymerization.

9. (previously presented): The fluoro-polymerised material according to Claim 7, wherein the fluoropolymer is a fluorocopolymer derived from tetrafluoroethylene and hexafluoropropylene.

10. (original): The fluoro-polymerised material according to Claim 9, wherein the fluorocopolymer derived from tetrafluoroethylene and hexafluoropropylene is a fluorocopolymer having a tetrafluoroethylene unit content of 75 to 95% by mass, a hexafluoropropylene unit content of 5 to 20% by mass and a perfluoro(alkyl vinyl ether) unit content of 0 to 5% by mass.